

# How the World Works Homework

## January 5<sup>th</sup>-February 20<sup>th</sup>

| Unit Of Inquiry  | Math  | Language  | Notes |
|--|---|---|-------|
| Week 1 January 5 <sup>th</sup> -9 <sup>th</sup><br>In your homework diaries, answer the following question, giving 5 possibilities:<br><b>What if the world's supply of wood was completely wiped out?</b> | Spend 10 minutes, twice this week practicing multiplication and division on Mathletics.com. | <b>A-Z Vocabulary</b> Compile a list of words you think might be related to our new unit finding a word for each letter of the alphabet. Due at the end of Week 3 |       |

| Unit Of Inquiry  | Math  | Language  | Notes |
|--|---|---|-------|
| Week 2 January 12 <sup>th</sup> -16 <sup>th</sup><br>If I said "It should be against the law in every country in the world for people to live in houses with a roof on top," think of some consequences. Try to find 5 consequences and list them in your diary. | Spend 10 minutes, twice this week practicing multiplication and division on Mathletics.com. | <b>A-Z Vocabulary</b> Compile a list of words you think might be related to our new unit finding a word for each letter of the alphabet. Due at the end of next week. |       |

| Unit Of Inquiry   | Math  | Language  | Notes |
|---|---|---|-------|
| Week 3 January 19 <sup>th</sup> -23 <sup>rd</sup><br>The answer is <b>arch</b> . What is the question? Try to find 5 questions. Your questions should show thought. Questions such as "What does a-r-c-h spell?" don't show thought. If need be, use your research skills to find out what you can about an arch. | Spend 10 minutes, twice this week practicing multiplication and division on Mathletics.com. | <b>A-Z Vocabulary</b> Compile a list of words you think might be related to our new unit finding a word for each letter of the alphabet. Due at the end of this week. |       |

| Unit Of Inquiry   | Math  | Language   | Notes |
|---|---|--|-------|
| Week 4 January 26 <sup>th</sup> -30 <sup>th</sup><br>Interpretation: Think of 3 or 4 possible explanations for this unusual situation. Write them in your homework diary. "People are no longer living above ground." | Do some research on the strength of various shapes. Create a chart that shows the strengths and weaknesses of at least three shapes. Decide what structures those shapes work best for. You can use the following websites for your research:<br><a href="http://to.pbs.org/1eeq1Rp">http://to.pbs.org/1eeq1Rp</a><br><a href="http://bit.ly/1IK2bj8">http://bit.ly/1IK2bj8</a><br><a href="http://ab.co/19M5PJl">http://ab.co/19M5PJl</a><br>Due at the end of week 5. | Choose an architect or engineer to research and present a report on. You may choose to create a Power Point, Prezi, poster or some other form for presenting what you learn. Due at the end of week 6. |       |

# How the World Works Homework

## January 5<sup>th</sup>-February 20<sup>th</sup>

| Week 5 February 9 <sup>th</sup> -13 <sup>th</sup> | Unit Of Inquiry  | Math   | Language   | Notes |
|---|--|--|--|-------|
|   | <p>Choose one project from the following <b>two</b> to work on and test at home. You will test your structure at school at the end of week 6.</p> <p><b>Project 1:</b> Using 9 art straws and some safety pins, create a structure as tall as possible that can withstand the weight of a full soda can.</p> <p><b>Project 2:</b> Using 30 mini-marshmallows and 30 toothpicks, create a structure that can withstand an earthquake. Structure will be tested at school in a pan of jello. Structure will be tested in class at the end of week 6.</p> | Continue your research on shapes. Due this week. | Continue your work on the report of an architect or engineer You may choose to create a Power Point, Prezi, poster or some other form for presenting what you learn. Due at the end of week 6. |       |

| Week 6 February 16 <sup>th</sup> -20 <sup>th</sup> | Unit Of Inquiry   | Math   | Language  | Notes |
|--|---|--|---|-------|
|  | Continue your work on structural project. Due to be tested at the end of this week. | <p>Spend some time playing the game at the following link.<br/> <a href="http://bit.ly/1cSGJHN">http://bit.ly/1cSGJHN</a></p> <p>What successes did you have? What struggles did you encounter? Record your response in your Homework diary.</p> | Continue your work on the report of an architect or engineer You may choose to create a Power Point, Prezi, poster or some other form for presenting what you learn. Due this week. |       |